

LIST OF CLAIMS WITH TEXT OF ALL ACTIVE CLAIMS: The following is a list of all claims that were ever in the application with appropriate status designations and the text of all active claims.

1-8 (CANCELED)

9. (NEW) A weight-controlled vehicle, comprising:

a body support for carrying a rider,

at least three wheels mounted below said body support for carrying said body support and for enabling said vehicle to roll when placed upon a surface, each of said wheels being spaced from the rest of said wheels such that said wheels will stably support said vehicle, a motor and a power transmission for rotating at least one of said wheels for propelling said vehicle along said surface,

said body support having a steering control for enabling said rider to tilt said body support in a generally side-to-side direction and in response to such tilting, steer said vehicle to the side in which said body support is tilted when said vehicle rolls upon said surface,

said body support also having a speed control for enabling said rider to tilt said body support in a generally forward or backward direction and in response to such tilting, control the rolling speed of said vehicle when said vehicle rolls upon said surface,

said body support being substantially a single tiltable unit and generally overlying the rest of said vehicle,

whereby said rider may control the steered direction and rolling speed of said vehicle by appropriate tilting of said body support when said rider is situated upon said body support.

10. (NEW) The vehicle of claim 9 wherein said speed control includes a rolling direction reverser for enabling said motor to propel said vehicle forward when said body support is tilted in a substantially forward direction and backward when said body support is tilted in a substantially backward direction, thereby enabling said rider to reverse the rolling direction of said vehicle in response to appropriate forward and backward tilting of said body support.

11. (NEW) The vehicle of claim 9 wherein said body support is a platform-like deck sized to enable said rider to operate said vehicle in a standing, sitting or kneeling position.

12. (NEW) The vehicle of claim 9 wherein said body support is free of any upwardly extending supports or hand grips, whereby said rider may operate said vehicle with hands free and unencumbered by said supports or said hand grips.

13. (NEW) The vehicle of claim 9, wherein said body support includes a seat for increasing said rider's comfort and stability when said rider operates said vehicle in a sitting position.

14. (NEW) The vehicle of claim 9, further including at least one handlebar for stabilizing said rider while said rider is situated on said body support, said handlebar being removable from said vehicle for enabling said rider to operate said vehicle with hands free and to store said vehicle with reduced encumbrance from said handlebar.

15. (NEW) The vehicle of claim 9, further including at least one handlebar for stabilizing said rider while said rider is situated on said body support, and a clamping articulation for tucking said handlebar to a lower, less obtrusive position for enabling said rider to operate said vehicle with hands free and to store said vehicle with reduced encumbrance from said handlebars.

16. (NEW) The vehicle of claim 9 wherein said wheels having a rolling axis, and further including

a steerable truck attached below said body support,

at least two of said wheels being truck wheels, said truck wheels being rotatably attached to the left and right extremities of said steerable truck to stably support said vehicle in a side-to-side direction,

a steering union attached to said steerable truck for providing a steering axis, said steering axis generally falling within a plane normal to said rolling axis of said wheels and also being substantially inclined to translate said side-to-side tilting of said body support into appropriate left or right turning motion of said steerable truck for causing said truck wheels to steer said vehicle to the left or right in response to said side-to-side tilting of said body support,

at least one said remaining wheel being a drive wheel rotationally coupled to said motor by said power transmission for propelling said vehicle along said surface, and said drive wheel being located substantially in front or behind said truck wheels for stably supporting said vehicle in a front-to-back direction.

17. (NEW) The vehicle of claim 9 wherein at least one of said wheels is a drive wheel, and further including
a steerable truck attached below said body support,
a steering union attaching said steerable truck and providing a substantial steering axis for enabling said steerable truck to turn to the left or right,
a steering linkage coupling said body support to said steerable truck for turning said steerable truck to the left or right in response to said side-to-side tilting of said body support,
said drive wheel being mounted to said steerable truck for steering said vehicle to the left or right when said steerable truck turns to the left or right in response to said side-to-side tilting of said body support, and
said motor also being mounted to said steerable truck and rotationally coupled to said drive wheel for propelling said vehicle along said surface.

18. (NEW) The vehicle of claim 9, further including
a steering biasing spring constrained to deform when said body support is tilted in said side-to-side direction, whereby said steering biasing spring's resistance to deformation biases said vehicle to roll in a generally straight line in the absence of said side-to-side tilting of said body support, and
a throttle biasing spring constrained to deform when said body support is tilted in said forward or backward direction, whereby said throttle biasing spring's resistance to deformation biases said vehicle to cease rolling in the absence of said forward or backward tilting of said body support.

19. (NEW) A vehicle comprising:
body support means for supporting the body of a rider,
rolling means enabling said vehicle to roll when placed upon a surface,
propulsion means for controllably propelling said vehicle along said surface,
steering control tilting means for enabling said rider to tilt said body support means in a generally side-to-side direction and in response to such tilting, steer said vehicle to the side in which said body support means is tilted as said vehicle rolls upon said surface,

speed control tilting means for enabling said rider to tilt said body support means in a generally forward or backward direction and in response to such tilting, control the rolling speed of said vehicle when said vehicle rolls upon said surface,
said body support means being substantially a single tiltable unit and generally overlying the rest of said vehicle,
whereby said rider may control the steered direction and rolling speed of said vehicle by appropriate tilting of said body support means when said rider is situated upon said body support means.

20. (NEW) The vehicle of claim 19 wherein said speed control tilting means includes a rolling direction reversing means for enabling said propulsion means to propel said vehicle forward when said rider tilts said body support means in a substantially forward direction and backward when said rider tilts said body support means in a substantially backward direction, thereby enabling said rider to reverse the rolling direction of said vehicle in response to appropriate forward and backward tilting of said body support means.

21. (NEW) The vehicle of claim 19 wherein said body support means is a platform-like deck sized to enable said rider to operate said vehicle in a standing, sitting or kneeling position.

22. (NEW) The vehicle of claim 19 wherein said body support means is free of any upwardly extending supports or hand grips, whereby said rider may operate said vehicle with hands free and unencumbered by said supports or said hand grips.

23. (NEW) The vehicle of claim 19 wherein said body support means includes sitting support means for increasing said rider's comfort and stability when said rider operates said vehicle in a sitting position.

24. (NEW) The vehicle of claim 19, further including handlebar support means for stabilizing said rider while said rider is situated on said body support means, said handlebar support means being removable from said vehicle for enabling said rider to operate said vehicle with hands free and to store said vehicle with reduced encumbrance from said handlebar support means.

25. (NEW) The vehicle of claim 19, further including handlebar support means for stabilizing said rider while said rider is situated on said body support means, and a clamping articulation means for tucking said handlebar support means to a lower, less obtrusive position for enabling said rider to operate said vehicle with hands free and to store said vehicle with reduced encumbrance from said handlebar support means.

26. (NEW) The vehicle of claim 19 wherein said rolling means includes at least 3 wheels, each said wheel having a rolling axis, and further including:

a steerable truck attached below said body support means,

at least two of said wheels being truck wheels, said truck wheels being rotatably attached to the left and right extremities of said steerable truck to stably support said vehicle in a side-to-side direction,

a steering union attached to said steerable truck for providing a steering axis, said steering axis generally falling within a plane normal to said rolling axis of said wheels and also being substantially inclined to translate said side-to-side tilting of said body support means into appropriate left or right turning motion of said steerable truck for causing said truck wheels to steer said vehicle to the left or right in response to said side-to-side tilting of said body support means,

at least one remaining said wheel being a drive wheel rotationally coupled to said propulsion means for propelling said vehicle along said surface, and said drive wheel being located substantially in front or behind said truck wheels for stably supporting said vehicle in a front-to-back direction.

27. (NEW) The vehicle of claim 19 wherein said rolling means includes at least 3 wheels, at least one of said wheels being a drive wheel, and further including

a steerable truck attached below said body support means,

a steering union attaching said steerable truck and providing a substantial steering axis for enabling said steerable truck to turn to the left or right,

a steering linkage means coupling said body support means to said steerable truck for turning said steerable truck to the left or right in response to said side-to-side tilting of said body support means,

said drive wheel being mounted to said steerable truck for steering said vehicle to the left or right when said steerable truck turns to the left or right in response to said side-to-side tilting of said body support means, and
said propulsion means also being mounted to said steerable truck and rotationally coupled to said drive wheel for propelling said vehicle along said surface.

28. (NEW) The vehicle of claim 19, further including
steering biasing means for causing said vehicle to roll in a generally straight line in the absence of said side-to-side tilting of said body support means, and
throttle biasing means for causing said vehicle to cease rolling in the absence of said forward or backward tilting of said body support means.